

Nicolas Clerc

List of Publications by Year in descending order

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56
papers

8,036
citations

186265
28
h-index

155660
55
g-index

56
all docs

56
docs citations

56
times ranked

7749
citing authors

#	ARTICLE	IF	CITATIONS
1	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 12.	7.7	1,877
2	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.	4.7	1,100
3	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
4	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
5	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. <i>Astronomical Journal</i> , 2016, 151, 44.	4.7	582
6	The eROSITA X-ray telescope on SRG. <i>Astronomy and Astrophysics</i> , 2021, 647, A1.	5.1	426
7	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25.	7.7	406
8	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	7.7	405
9	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A1.	5.1	199
10	The eROSITA Final Equatorial Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A1.	5.1	144
11	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A2.	5.1	114
12	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A3.	5.1	78
13	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A4.	5.1	66
14	The XMM-LSS survey: optical assessment and properties of different X-ray selected cluster classes. <i>Astronomy and Astrophysics</i> , 2011, 526, A18.	5.1	55
15	The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A2.	5.1	54
16	The cosmological analysis of X-ray cluster surveys - II. Application of the CR-HR method to the XMM archive. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 3561-3583.	4.4	53
17	SPIDERS: the spectroscopic follow-up of X-ray-selected clusters of galaxies in SDSS-IV. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4490-4515.	4.4	47
18	The XMM-LSS survey: the Class 1 cluster sample over the extended $11^{\circ}2$ and its spatial distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 2723-2753.	4.4	46

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19	Distant galaxy clusters in the XMM Large Scale Structure survey. Monthly Notices of the Royal Astronomical Society, 2013, 430, 134-156.	4.4	45
20	Active galactic nuclei and their large-scale structure: an eROSITA mock catalogue. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2005-2029.	4.4	40
21	SPIDERS: selection of spectroscopic targets using AGN candidates detected in all-sky X-ray surveys. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1065-1095.	4.4	38
22	Measuring turbulence and gas motions in galaxy clusters via synthetic Athena X-IFU observations. Astronomy and Astrophysics, 2018, 618, A39.	5.1	36
23	CODEX clusters. Astronomy and Astrophysics, 2020, 638, A114.	5.1	36
24	THE XXL SURVEY. V. DETECTION OF THE SUNYAEV-ZEL'DOVICH EFFECT OF THE REDSHIFT 1.9 GALAXY CLUSTER XLSSU J021744.1â€“034536 WITH CARMA. Astrophysical Journal, 2014, 794, 157.	4.5	35
25	Synthetic simulations of the extragalactic sky seen by eROSITA. Astronomy and Astrophysics, 2018, 617, A92.	5.1	31
26	The eROSITA Final Equatorial-Depth Survey (eFEDS). Astronomy and Astrophysics, 2022, 661, A11.	5.1	31
27	The XXL survey XV: evidence for dry merger driven BCG growth in XXL-100-GC X-ray clusters. Monthly Notices of the Royal Astronomical Society, 2016, 462, 4141-4156.	4.4	29
28	The X-CLASS redMaPPer galaxy cluster comparison. Astronomy and Astrophysics, 2014, 571, A87.	5.1	28
29	Athena X-IFU synthetic observations of galaxy clusters to probe the chemical enrichment of the Universe. Astronomy and Astrophysics, 2018, 620, A173.	5.1	28
30	The final SDSS-IV/SPIDERS X-ray point source spectroscopic catalogue. Astronomy and Astrophysics, 2020, 636, A97.	5.1	27
31	Full-sky photon simulation of clusters and active galactic nuclei in the soft X-rays for eROSITA. The Open Journal of Astrophysics, 2020, 3, .	2.8	26
32	The cosmological analysis of X-ray cluster surveys - I. A new method for interpreting number counts. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3545-3560.	4.4	24
33	The eROSITA Final Equatorial-Depth Survey (eFEDS). Astronomy and Astrophysics, 2022, 661, A7.	5.1	24
34	The eROSITA Final Equatorial-Depth Survey (eFEDS). Astronomy and Astrophysics, 2022, 661, A4.	5.1	23
35	Stellar massâ€“halo mass relation for the brightest central galaxies of X-ray clusters since $z \approx 0.65$. Astronomy and Astrophysics, 2019, 631, A175.	5.1	21
36	The eROSITA Final Equatorial-Depth Survey (eFEDS). Astronomy and Astrophysics, 2022, 661, A12.	5.1	21

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37	Mass calibration of the CODEX cluster sample using SPIDERS spectroscopy â€“ I. The richnessâ€“mass relation. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1594-1607.	4.4	20
38	HIFLUGCS: X-ray luminosity-dynamical mass relation and its implications for mass calibrations with the SPIDERS and 4MOST surveys. Astronomy and Astrophysics, 2017, 599, A138.	5.1	19
39	SPIDERS: an overview of the largest catalogue of spectroscopically confirmed x-ray galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5763-5777.	4.4	18
40	SPIDERS: overview of the X-ray galaxy cluster follow-up and the final spectroscopic data release. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3976-3992.	4.4	16
41	The X-CLASS survey: A catalogue of 1646 X-ray-selected galaxy clusters up to $z < 1.5$. Astronomy and Astrophysics, 2021, 652, A12.	5.1	16
42	Cosmological constraints from CODEX galaxy clusters spectroscopically confirmed by SDSS-IV/SPIDERS DR16. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4768-4784.	4.4	16
43	Exploring relations between BCG and cluster properties in the SPectroscopic IDentification of eROSITA Sources survey from $0.05 < z < 0.3$. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4952-4973.	4.4	14
44	Towards mapping turbulence in the intra-cluster medium. Astronomy and Astrophysics, 2019, 629, A144.	5.1	14
45	Constraining the origin and models of chemical enrichment in galaxy clusters using the Athena X-IFU. Astronomy and Astrophysics, 2020, 642, A90.	5.1	13
46	Toward the low-scatter selection of X-ray clusters. Astronomy and Astrophysics, 2020, 634, A8.	5.1	10
47	Cosmology with XMM galaxy clusters: the X-CLASS/GROND catalogue and photometric redshifts. Monthly Notices of the Royal Astronomical Society, 2017, 468, 662-684.	4.4	9
48	Towards mapping turbulence in the intra-cluster medium. Astronomy and Astrophysics, 2019, 629, A143.	5.1	9
49	Mass calibration of the CODEX cluster sample using SPIDERS spectroscopy â€“ II. The X-ray luminosityâ€“mass relation. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2736-2746.	4.4	9
50	Clustering of CODEX clusters. Astronomy and Astrophysics, 2021, 646, A8.	5.1	8
51	Gravitational redshifting of galaxies in the SPIDERS cluster catalogue. Monthly Notices of the Royal Astronomical Society, 2021, 503, 669-678.	4.4	8
52	The eROSITA Final Equatorial-Depth Survey (eFEDS). Astronomy and Astrophysics, 2022, 661, A14.	5.1	8
53	CODEX weak lensing mass catalogue and implications on the massâ€“richness relation. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1494-1526.	4.4	6
54	The XXL Survey. Astronomy and Astrophysics, 2018, 620, A18.	5.1	4

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55	Multiwavelength classification of X-ray selected galaxy cluster candidates using convolutional neural networks. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4141-4153.	4.4	2
56	The XXL Survey " XLVIII. X-ray follow-up of distant XXL clusters: masses, scaling relations, and AGN contamination. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2525-2536.	4.4	0